AuScope

AN ORGANISATION FOR A NATIONAL
EARTH SCIENCE INFRASTRUCTURE PROGRAM

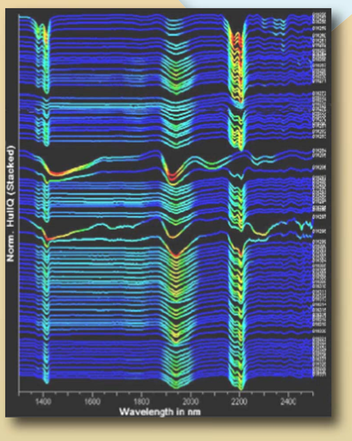
National Virtual Core Library

The AuScope National Virtual Core Library (NVCL) will facilitate research into the composition of the top 2 km of the Australian continent by hyperspectrally scanning the millions of metres of drill core archived in Federal, State and Territory Geological Surveys. These will be augmented by cores offered by the private sector.

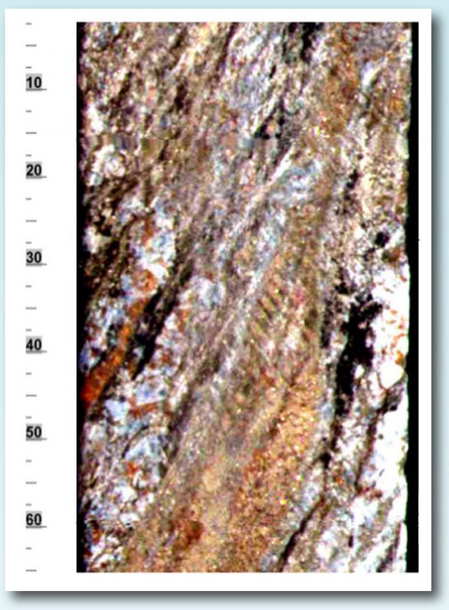
The AuScope NVCL is a unique new collaborative research infrastructure project funded by the federal government's National Collaborative Research Infrastructure Strategy (NCRIS) within the Department of Innovation Industry Science and Research, and the CSIRO, and implemented by all State and Territory Geological Surveys.

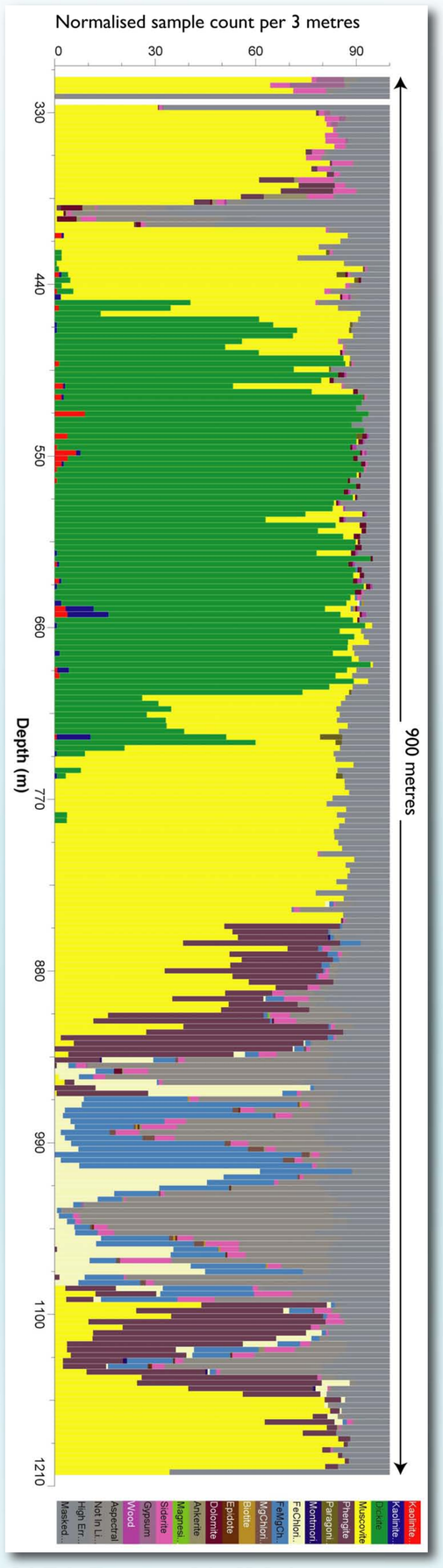
During the current AuScope project (out to mid-2011), each Geological Survey will staff and operate one of CSIRO's HyLogging™ hyperspectral mineralogical core logging instruments.

These instruments yield information-rich spectro-mineralogical and image data of cores at a spatial resolution of approximately 10mm.



The data will be interpreted in the TSG-Core™ software package and along with standard products stored in relational databases for global interrogation via the Internet.





SAE6 Emmie Bluff S.A.

An interactive demonstration website is available for preview at http://nvcl.csiro.au. The AuScope Discovery Portal is also under development and may be previewed at: http://portal.auscope.org/gmap.html. Use of the NVCL infrastructure for research opportunities is strongly encouraged. For more information contact the AuScope Program Director Jon Huntington, jon.huntington@csiro.au.

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Acknowledgements

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